

PRESS RELEASE

BMW M Motorsport selects MdynamiX as partner for virtual racing simulation development

Technical partnership for virtual driving experience development aimed at accelerating development cycles

Munich, April 30, 2026 – MdynamiX and BMW M Motorsport have entered into a strategic technical partnership. At the core of this collaboration is the virtual driving experience development of high-performance vehicles, with the goal of significantly accelerating development processes while unlocking performance potential earlier and more efficiently.

As part of this cooperation, BMW M Motorsport is leveraging MdynamiX's extensive expertise in driving experience evaluation, virtual development methods, and highly precise steering system simulation. MdynamiX is also providing its proprietary high-performance force feedback steering systems for this purpose.

Realistic steering feel through high-end simulation

MdynamiX's technology delivers a highly realistic driving experience at the most critical interface between driver and machine: the steering system. Through the use of proprietary force feedback hardware and precise steering system simulation models, racing drivers and engineers can:

- **Evaluate steering characteristics early:** Vehicle dynamics and steering haptic feedback can be optimized during early stages of driving experience development – long before physical prototypes exist.
- **Perform targeted tuning:** The seamless development environment enables complex steering systems to be virtually validated under racing conditions.
- **Gain competitive advantage through faster development:** Faster iterations and reliable decision-making foundations result in significantly improved performance while simultaneously shortening development cycles.

Hauptsitz:
MdynamiX AG
Junkersstr. 4 / Shelter 16
87734 Benningen
DEUTSCHLAND
Kontakt
Tel.: +49 89 550 599 06
E-Mail: info@mdynamix.de
Internet: www.mdynamix.de

Vorstand:
Prof. Dr. Peter. E. Pfeffer
Prof. Bernhard Schick
Prof. Dr. Markus Krug
Aufsichtsratsvorsitzender:
Prof. Dr. Stefan Sentpali

Registergericht:
Amtsgericht Memmingen HRB 18774

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Especially in motorsport, where development speed directly translates into competitiveness, this precise virtual validation creates measurable advantages on the racetrack.

Voices on the partnership

“The importance of virtual driving experience development in motorsport continues to grow. With MdynamiX, we are working with a partner that not only provides methodological support but also delivers the technological foundation through its proprietary force feedback steering systems, allowing vehicle behavior to be experienced with exceptional precision in the simulator.”

– **Erik Schuivens,**

Head of Vehicle Performance and Simulation at BMW M Motorsport

“BMW M Motorsport stands for precise engineering and performance. The fact that our expertise in steering system simulation and our force feedback hardware now contribute to the performance of these vehicles validates our approach. Together, we are setting new standards in virtual driving experience development.”

– **Prof. Dr. Peter Pfeffer, CEO of MdynamiX**

This long-term partnership underscores the growing importance of virtual development approaches in motorsport.

Media Assets:



Image 1 caption:

From left to right: Peter Pfeffer (MdynamiX), Erik Schuivens (BMW M Motorsport).

Image credit 1:

MdynamiX AG

About MdynamiX

MdynamiX is a specialized partner to the automotive industry in the fields of vehicle dynamics, steering systems, and driving experience development. The company develops and markets state-of-the-art simulation hardware and software solutions designed to bridge the gap between the virtual world and real driving experience.

About BMW M Motorsport

BMW M Motorsport is a globally leading force in motorsport, competing at the highest level across premier racing series and competitions – from LMDh to GT. Renowned for its commitment to innovation and advanced technologies, BMW M Motorsport continuously sets benchmarks in performance and innovation.

Press Contact

Kristina Wolf
kristina.wolf@mdynamix.de
MdynamiX AG